

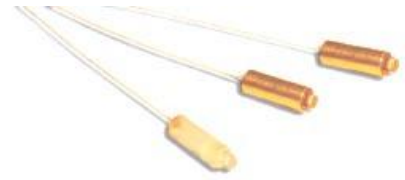
Long Working Distance Single Fiber PM Collimator

FEATURES

- High Return Loss
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Optical Isolator
- Optical Circulator
- Optical Components
- WDM Assembly
- Laboratory R&D



SPECIFICATIONS

Parameters	Unit	Single Fiber				
Center Wavelength	nm	1310, 1480, 1550, 1590, 1625, 1650				
Bandwidth	nm	+/-20				
Working Distance (WD)	mm	50~100	101~250	251~500	501~800	
Insertion Loss	Typ.	dB	0.3	0.4	0.5	0.6
	Max.	dB	0.4	0.5	0.6	0.8
Nominal Beam Diameter	mm	~0.45	~0.75	~0.95	~1.2	
Return Loss	dB	≥50				
Extinction Ratio	dB	≥20				
Lens Type	-	Long Distance C-Lens or Aspherical-Lens				
Work Mode	-	Free Space Output or Space Doublet				
Fiber Type	-	PM1310/1550 Panda Fiber, 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)				
Fiber Sleeve	-	250um Bare Fiber or 900um Loose Tube				
Fiber Length	m	1.0, 1.5 or customer specify				
Max. Optical Power (CW)	mW	300				
Operating Temperature	°C	0~70				
Storage Temperature	°C	-40~85				
Package Dimension	mm	Φ3.2xL11	Φ3.2xL14	Φ3.8xL16	Φ3.8xL19	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 4. Package size may be different for different lens and optical power.

ORDERING INFORMATION (PN)

FPCO-NNNN	-	C	NNN	-LMC	C	-	C	C	NN	-	CC/CCC
<i>Wavelength</i>		<i>Type</i>	<i>WD</i>	<i>Lens</i>	<i>Work Mode</i>		<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector</i>
1310-1310nm		L= Single Fiber	50- 50mm	C=C-lens	F=Free Space Output		2=PM1310/1550 Fiber	B=Bare Fiber	05=0.5m		N= None
1550- 1550nm			200- 200mm	A=Aspherical Lens	D=Space Doublet		0=10/125 PMDC Fiber	L=Loose Tube	10=1.0m		SC/PC= SC/PC Connector
1590-1590nm			600- 600mm				T=12/130 PMDC Fiber		15=1.5m		FC/APC=FC/APC Connector
1650-1650nm			800- 800mm				R=25/250 PMDC Fiber		20=2.0m		SC/UPC=SC/UPC Connector